

174216

SITE SUMMARY SAUGET AREA 1 SITE

ILD 981 953 623 =Dead Creek G	ILD 984 809 277 =Dead Creek A
ILD 980 792 006 =Dead Creek B	ILD 984 809 269 =Waggoner Trucking Co.
ILD 984 809 285 =Dead Creek C-E	ILD 984 809 251 =H.H. Hall Excavation Pit
ILD 980 614 176 =Sauget Monsanto Landfill	ILD 982 073 603 =H.H. Hall Construction Co

The Sauget Area 1 site consists of nine sources in the villages of Sauget and Cahokia, St. Clair County, Illinois. Originally named the village of Monsanto, the village changed its name to Sauget in 1968. Sources at the site include intermittent portions of Dead Creek, as well as low-lying areas in the vicinity used for waste disposal. The Sauget Area 1 site has been the subject of extensive waste disposal activities since the 1930s.

Prior to the late 1930s, industries located along Dead Creek (where Sources 1, 2, and 3 are located) let their wastes flow into the creek. After the construction of an interceptor sewer line to carry wastes to the Mississippi River, overflows continued to be routinely routed into Dead Creek. In the 1940s, residents complained about the disposal of wastes into Dead Creek and were awarded \$4,000. In 1979, the Illinois Environmental Protection Agency (IEPA) received complaints about fires and smoldering in Dead Creek and in 1980, a dog allegedly died as a result of burns caused by the smoldering in the creek.

Leo Sauget, the former mayor of the village of Monsanto, owned and operated three landfills (Sources 4, 5, and 6 in the site area). The Monsanto Company disposed of waste (allegedly transported by Leo Sauget) in two landfills along Falling Springs Road (presumably Sources 5 and 6) until 1957, when the company began disposing of wastes in its newly constructed landfill located along the Mississippi River.

The Waggoner Trucking Company (Waggoner) was cited by IEPA for discharging wash water directly into Dead Creek. These wash waters were generated during the cleaning of trucks used to transport hazardous wastes. Waggoner then constructed an impoundment (Source 7) into which it, and, subsequently, the Ruan Trucking Company, continued to dispose of wash waters. The impoundment was designed to overflow into Dead Creek.

The H.H. Hall Construction Company owned two former sand pits located along Dead Creek (Sources 8 and 9). Sampling data and historical aerial photographs suggest that these pits were also used for waste disposal.

The Sauget Area 1 sources were aggregated because of their relative proximity to one another, similar and overlapping targets, shared watershed, and similar contamination. Sampling conducted by several parties has revealed organic and inorganic contamination in each of the sources. The compounds detected most frequently and at the highest concentrations include various chlorinated solvents, various dichlorobenzene compounds, polychlorinated biphenyls (PCB), polyaromatic hydrocarbons (PAH), and heavy metals. Some of these contaminants have been found in each of the nine sources. Furthermore, some of the sources may have had the same operators, generators, and transporters. Each of the sources is briefly described below.

Source 1 (Creek Segment [CS] A) is an impoundment created within the northern 1,750 feet of an intermittent portion of Dead Creek located on property owned by the Cerro Copper Products Co. (Cerro). Source 1 received backflow from the sanitary and industrial effluent from the village of Sauget sewer system and storm water runoff from Cerro. As part of a consent decree, Cerro removed about 20,000 yards of contaminated sediments from Source 1 in 1990.

Source 2 (CS-B) is an impoundment created within 1,925 feet of an intermittent portion of Dead Creek. Source 2 is located immediately downstream of Source 1. Source 2 received discharge from an outfall originating at the Midwest Rubber Co. (Midwest Rubber), discharge from Source 1, and overflow from Source 7. The creekbed downstream of this outfall is coated with rubbery material and contains a variety of hazardous substances.

Source 3 (CS-C through CS-E) is the contaminated soil (extending about 5,100 feet) within an intermittent portion of Dead Creek (segments CS-C through CS-E). Source 3 is located immediately downstream of Source 2.

*PCB, PCE
chlorophenol*

Source 4 (Source G) is an inactive landfill occupying approximately 4.5 acres, located immediately west of Source 2 and south of Queeny Avenue. Source 4 operated as a landfill from 1950 until 1973.

Source 5 (Source H) is an inactive landfill occupying approximately 5 acres, located east of Source 2 and south of Queeny Avenue. Source 5 operated as a landfill from 1937 until 1957.

Source 6 (Source I) is an inactive landfill occupying approximately 12 acres, immediately east of Source 1, on property owned by Cerro. Source 6 operated as a landfill from 1937 until 1957. In 1989, a drilling crew working at Source 6 augured through a buried drum. An unknown amount of vapor was released and one worker was hospitalized overnight as a result of the incident.

Source 7 (Source L) is a backfilled surface impoundment that occupies about 7,600 square feet. From about 1971 to 1979, Waggoner Trucking Co. and, later, the Ruan Trucking Co. used Source 7 to dispose of wash water generated during the cleaning of hazardous waste tankers.

Source 8 (Source M) was a sand mining pit excavated by H.H. Hall Construction Co. in the 1940s. Source 8 occupies about 59,200 square feet, located immediately east of Source 2 in Dead Creek. Source 8 has been connected to Dead Creek by a channel since sometime prior to 1950. Sampling results and historical aerial photographs indicate that Source 8 was used for waste disposal.

Source 9 (Source N) was a sand mining pit excavated by H.H. Hall Construction Co. that occupied about 4 acres. Source 9 is located immediately east of Dead Creek segment CS-C (part of Source 3). Sampling results and historical aerial photographs suggest that Source 9 was used for waste disposal.

None of the sources were adequately contained to prevent surface water runoff from migrating to downstream surface water bodies. A sediment sample collected downstream of the sources indicates that two PCBs (Aroclor 1254 and 1260), cadmium, cobalt, copper, lead, mercury, nickel, and zinc have migrated along Dead Creek to a wetland about 3,000 feet south of the site.

Other sensitive environments, including habitat for state and federally-designated endangered species and wetlands, are downstream of the contaminated wetland in Old Prairie duPont Creek, the Cahokia Chute of the Mississippi River, and the main channel of the Mississippi River. These water bodies,

which also are used for recreational and commercial fishing, may be affected by the migration of hazardous substances from the site. No drinking water intakes are located along the surface water migration pathway within 15 miles of the site.

An observed release to air has been documented based on a drilling accident that occurred at Source 6 in 1989. As a result of this incident, one worker was hospitalized overnight. Soil samples collected from the location at which the accident occurred revealed volatile organic contaminants, including benzene, trichloroethene, chlorobenzene, tetrachloroethene, toluene, ethylbenzene; semivolatile organic contaminants, including 1,4-dichlorobenzene, 1,2-dichlorobenzene, and 1,2,4-trichlorobenzene; and PCBs.

The Illinois Department of Public Health (IDPH) evaluated this incident and concluded that, based on the presence of volatile and semivolatile contaminants at high concentrations in the soil and the symptoms exhibited by one of the workers, this worker was probably exposed to one or more of the volatile or semivolatile contaminants present in the soil.

About 143,000 people within 4 miles of the Sauget Area 1 site are subject to potential air contamination.

HRS DOCUMENTATION RECORD—REVIEW COVER SHEET

Name of Site: Sauget Area 1

EPA Identification No.:	Dead Creek Area G	-	ILD 981 953 623
	Waggoner Trucking Co.	-	ILD 984 809 269
	H.H. Hall Excavation Pit	-	ILD 984 809 251
	H.H. Hall Construction Co.	-	ILD 982 073 603
	Dead Creek Segment A	-	ILD 984 809 277
	Dead Creek	-	ILD 980 792 006
	Dead Creek Segments C-F	-	ILD 984 809 285
	Sauget Monsanto Illinois Landfill	-	ILD 980 614 176

Contact Persons

Site Investigation: U.S. Environmental Protection Agency (EPA)

Alan Altur (312) 886-0390

Documentation Record: PRC Environmental Management, Inc. (PRC)

Eric Morton	(312) 856-8797
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Sandy Anagnostopoulos	(312) 946-6476

Pathways, Components, or Threats Not Evaluated

The Hazard Ranking System (HRS) evaluation performed on the Sauget Area 1 site (Figures 1 and 2 of the documentation record) addresses the threat of contamination of air and surface water.

The groundwater pathway is not being evaluated because groundwater is not used as a drinking water source in the area resulting in minimal target values for this pathway.

The soil exposure pathway is not being evaluated because areas of contaminated soil attributable to the site have not been documented on residential properties resulting in minimal targets for this pathway.

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	Sauget Monsanto Illinois Landfill	-	ILD 980 614 176

U.S. EPA Region: 5

Date Prepared: August 23, 1993

Street Address of Site : Various in Cahokia and Sauget

County and State : St. Clair County, Illinois

General Location in the State : Western Central Illinois

Topographic Map : Cahokia, Illinois

Latitude:

Longitude:

Dead Creek Area G	38° 35' 17.0"	90° 10' 25.0"
Waggoner Trucking Co.	38° 35' 10.0"	90° 10' 20.0"
H.H. Hall Excavation Pit	38° 35' 05.0"	90° 10' 50.0"
H.H. Hall Construction Co.	38° 34' 56.0"	90° 10' 25.0"
Dead Creek Segment A	38° 35' 35.0"	90° 10' 15.0"
Dead Creek	38° 35' 09.0"	90° 10' 22.5"
Dead Creek Segments C-F	38° 33' 50.0"	90° 11' 25.0"
Sauget Monsanto Illinois Landfill	unknown	unknown

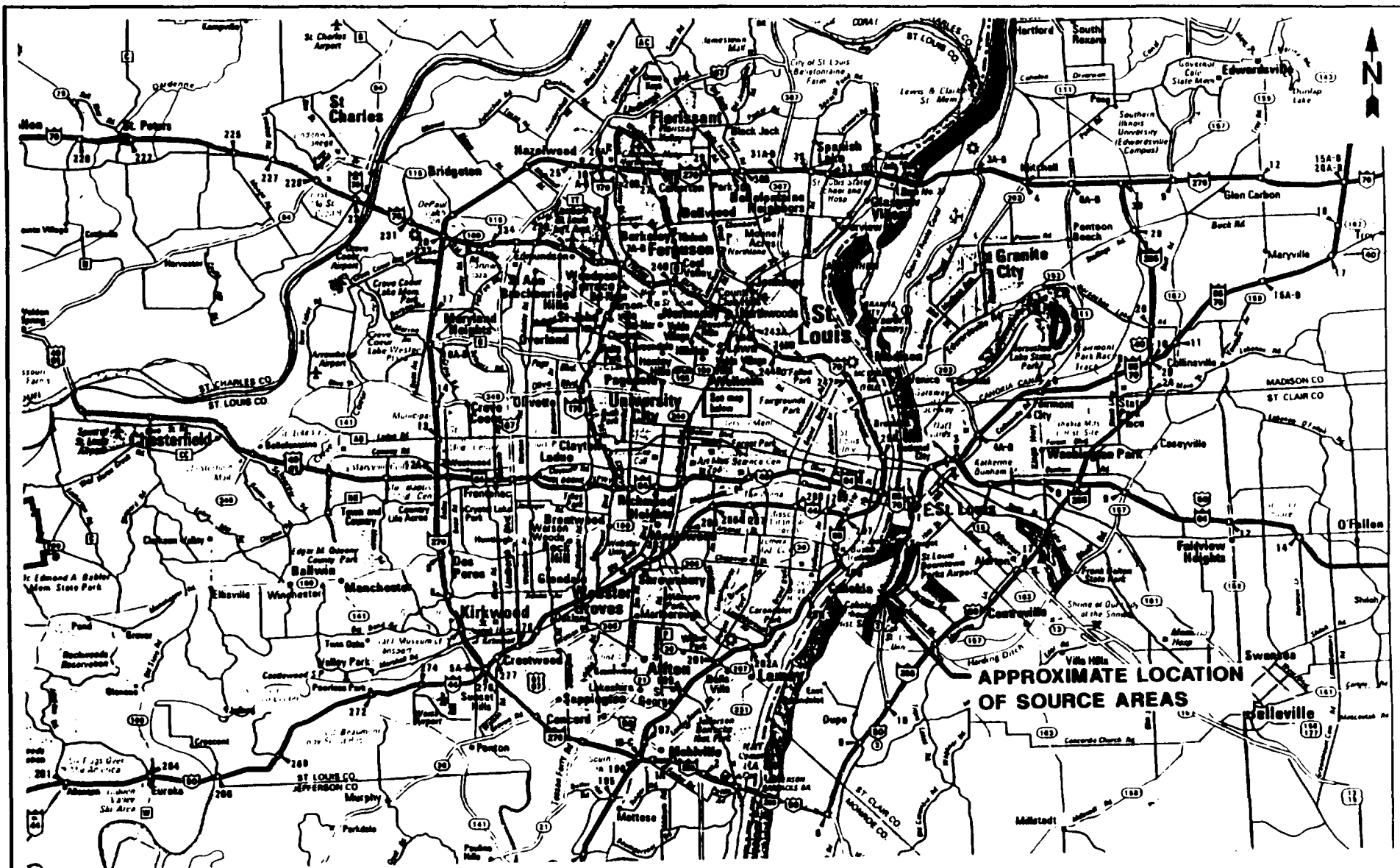
Refer to Figure 1 for site location.

Scores

Air Pathway	100.0
Ground Water Pathway	NE ¹
Soil Exposure Pathway	NE
Surface Water Pathway	100.0

HRS SITE SCORE 77.71

¹NE = Not evaluated.



APPROXIMATE LOCATION
OF SOURCE AREAS

SAUGET AREA 1
SAUGET AND CAHOKIA, ILLINOIS

FIGURE 1
SITE LOCATION

PNC ENVIRONMENTAL MANAGEMENT, INC.

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SOURCE: RAND McNALLY ROAD ATLAS 1992

